

Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

Progress Report #21—October 1, 2007

Work Completed: September 20-26, 2007

- Completed removal of the turbidity curtain from the area adjacent to Removal Area 1 and installation of a turbidity curtain downstream of the Plainwell Dam.
- Completed construction of two temporary access roads: One along Removal Areas 7, 8, 9B, and 10B; and a second between Staging Area 5S and the Plainwell Dam.
- Continued construction of Staging Area 3S. Work included grading and installing geosynthetic material.
- Completed construction of a pad for the 500 gallon-per-minute treatment system adjacent to the Plainwell Dam, and initiated installation and setup of the system.
- Began construction of the water control structure. Work included pre-excavating the structure alignment and installing steel sheeting templates.
- Continued removal of Staging Area 2S.
- Continued excavation of soil and sediment from Removal Area 6B.
- Continued surveying Removal Area 6B and Upland Area 6B1 and performing sampling and analysis of excavated portions of Removal Area 6B.
- Continued turbidity monitoring of the Kalamazoo River to support removal activities.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	0	0	105	3
Total to Date	2,345	67	14,175	405

** All values are unofficial, estimated quantities, subject to revision/verification.

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US EPA RECORDS CENTER REGION 5

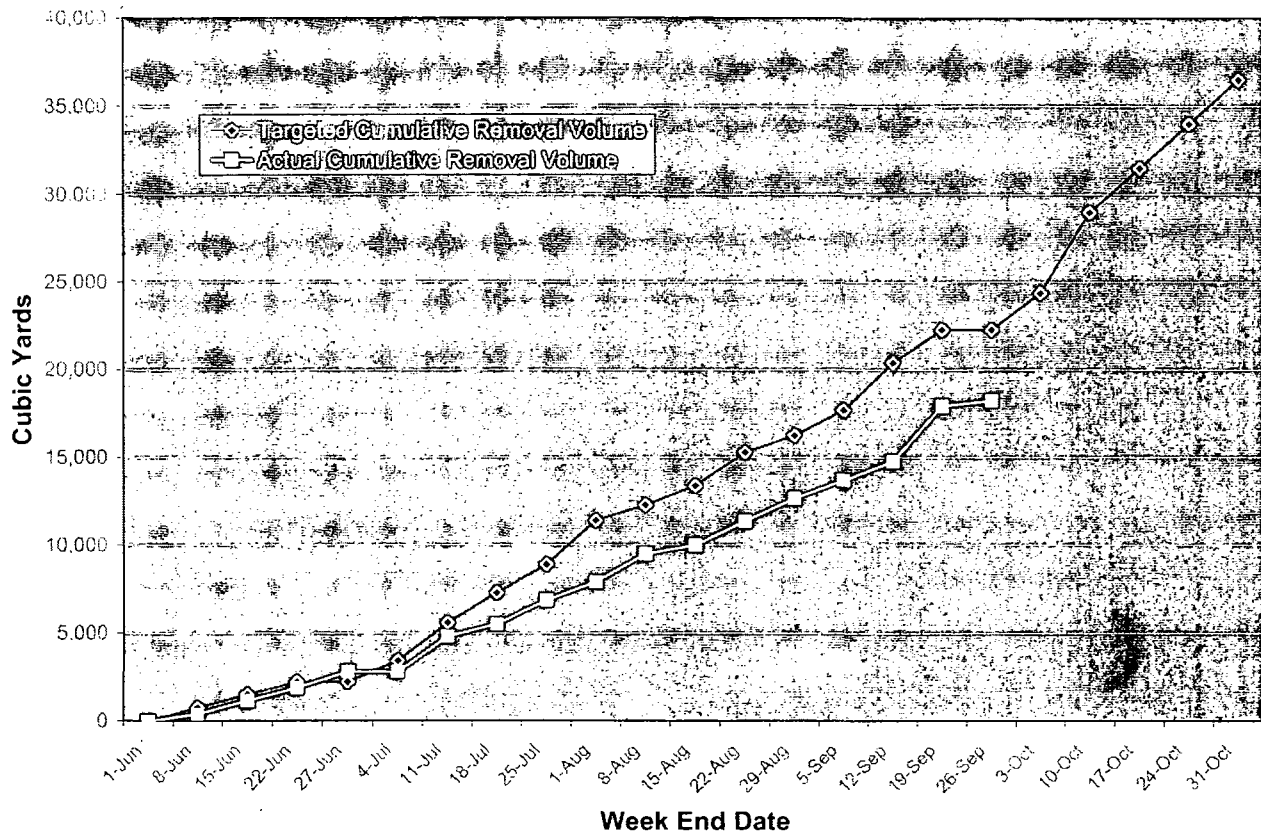


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Work Planned: September 27 - October 3, 2007

- Complete installation of turbidity curtain at Removal Area 7B.
- Complete removal of Staging Area 2S.
- Complete construction of Staging Area 3S.
- Complete excavation of soil and sediment from Removal Area 6B and begin excavation activities at Upland Area 6B1.
- Continue loading and transporting solidified non-TSCA material from Upland Area 6B1 and Staging Area 3S to Allied Waste's C&C landfill in Marshall, Michigan.
- Continue surveying and performing sampling and analysis of excavated portions of Removal Area 6B and Upland Area 6B1.
- Complete installation of 500 gallon-per-minute treatment system at the Plainwell Dam and begin dewatering the Phase 1 Cofferdam area.
- Continue construction of the water control structure. Work will include building an earthen berm downstream of the structure and installing steel sheeting.
- Begin seeding and placing erosion control mats at Removal Areas 2B, 3B, and 4B.
- Continue turbidity monitoring of the Kalamazoo River to support removal activities.

Removal Progress

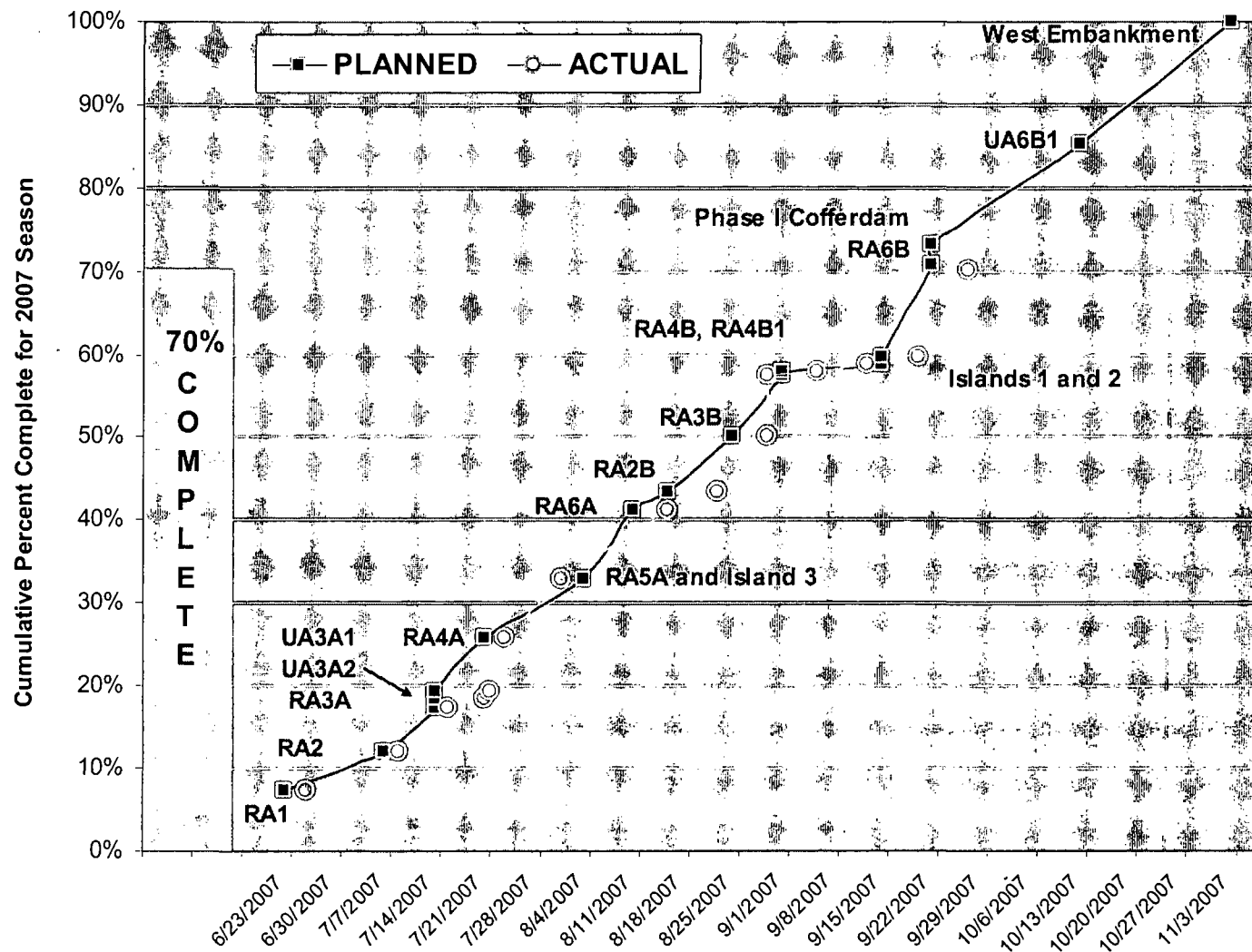


Notes

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed are below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBLES 4/30/07 Plainwell TCRA Construction Schedule.

Removal Progress



Health & Safety Update

- Four Loss Prevention Observations (LPOs) were completed this week.
A total of 62 LPOs have been completed for the project to date.
- First Aid and CPR Training is scheduled for Site personnel on October 3, 2007.

Weather Summary

- No weather delays were encountered during this reporting period.

Environmental Monitoring and Construction Quality Assurance Testing

Resuspension/Turbidity Monitoring:

Testing Performed this Week? No ☐ Yes ☒

Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

Dewatering System Discharge Monitoring:

Discharge Flow:

Testing Performed this Week? No ☒ Yes ☐

Exceedances? N/A ☒ No ☐ Yes ☐ If yes, explain:

Excavation Verification Sampling:

Testing Performed this Week? No ☐ Yes ☒ in Removal Area(s): 6B

Cleanup Standard Achieved? N/A ☐ Yes ☒ No ☐ If no, explain:

Issues Encountered/Solutions Advanced

- Numerous subsurface obstructions were encountered during initial installation of sheet pile as part of the construction of the water control structure. To address this issue, the project team slightly modified the alignment of the water control structure, and sheet pile areas are now being pre-excavated to reduce the impact of obstructions on construction.

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Equipment on Site

Equipment	9/20/07	9/21/07	9/22/07	9/23/07	9/24/07	9/25/07	9/26/07
Komatsu PC-300 Excavator	2	2	2	2	2	2	2
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	2	2	2	2	2	2	2
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	1	1	1	1	1	1	1
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Vermeer Chipper	1	1	1	1	1	1	1
Komatsu D65 Dozer	1	1	1	1	1	1	1
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
Burcyrus Cable 40-ton Crane	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Komatsu 400 Articulating Dump Truck	2	2	2	2	2	2	2

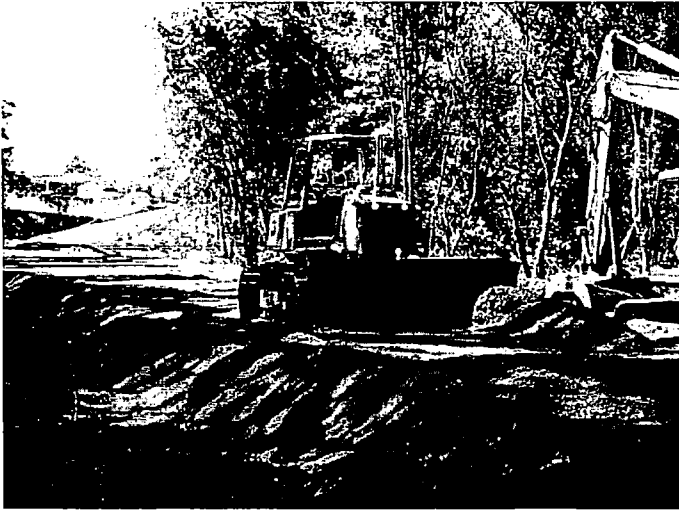
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Personnel, Regulatory Staff, and Visitors on Site

Individual/Affiliation	9/20/07	9/21/07	9/22/07	9/23/07	9/24/07	9/25/07	9/26/07
Terra Contracting Staff	20	20	20		20	20	20
Sam Borries/USEPA OSC						X	
Mike Ribordy/USEPA OSC					X	X	
Paul Bucholtz/MDEQ		X				X	
John Bradley/MDEQ	X					X	
MDEQ Tour		2					
Debbie Larson/MDEQ		X					
Drew Santini/CDM	X					X	
John Lerg/MDNR							
Weston Contractors	1	1			1	1	1
Drew Santini/CDM	X						
Chase Fortenberry/KRSG	X						X
Adam Chwalibog/ARCADIS BBL	X	X			X	X	X
Rich Price/ARCADIS BBLES							
Matt Bowman/ARCADIS BBLES						X	
EJ Suardini/ARCADIS BBLES	X				X	X	X
Mike Kohagen/ARCADIS BBLES	X	X	X		X	X	X
Ben Lawrence/ARCADIS BBLES	X	X	X		X	X	X
Michelle Rumler/ARCADIS BBL	X	X	X		X	X	X
Joe Willoughby/ARCADIS BBLES	X	X	X		X	X	X
Nick Harmer/ARCADIS BBL	X	X			X	X	X
<i>Other Subcontractors (Specify)</i>							
JFNew							
American Environmental (Geosynthetics)							
Schrader Environmental (Treatment System Setup)					4	4	4
King Construction (WCS/cofferdam)	4	4			4	4	4

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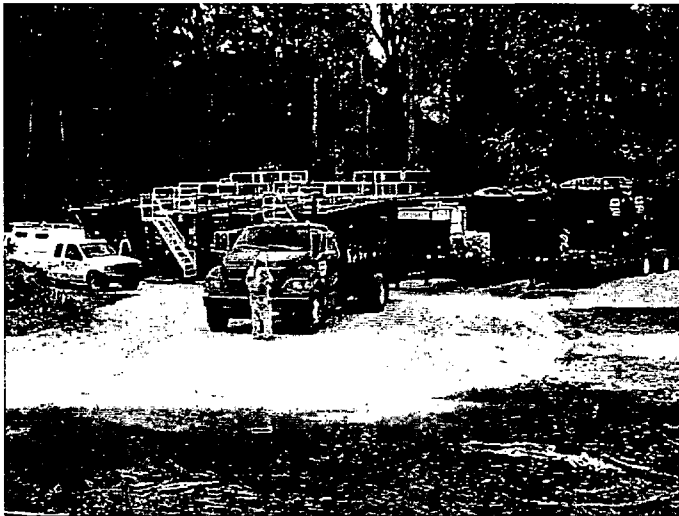
Photos from Week #21



*Constructing a temporary access road from
the Meijer parking lot to Staging Area 3S.*



*Excavating and hauling soil and sediment
from Removal Area 6B.*

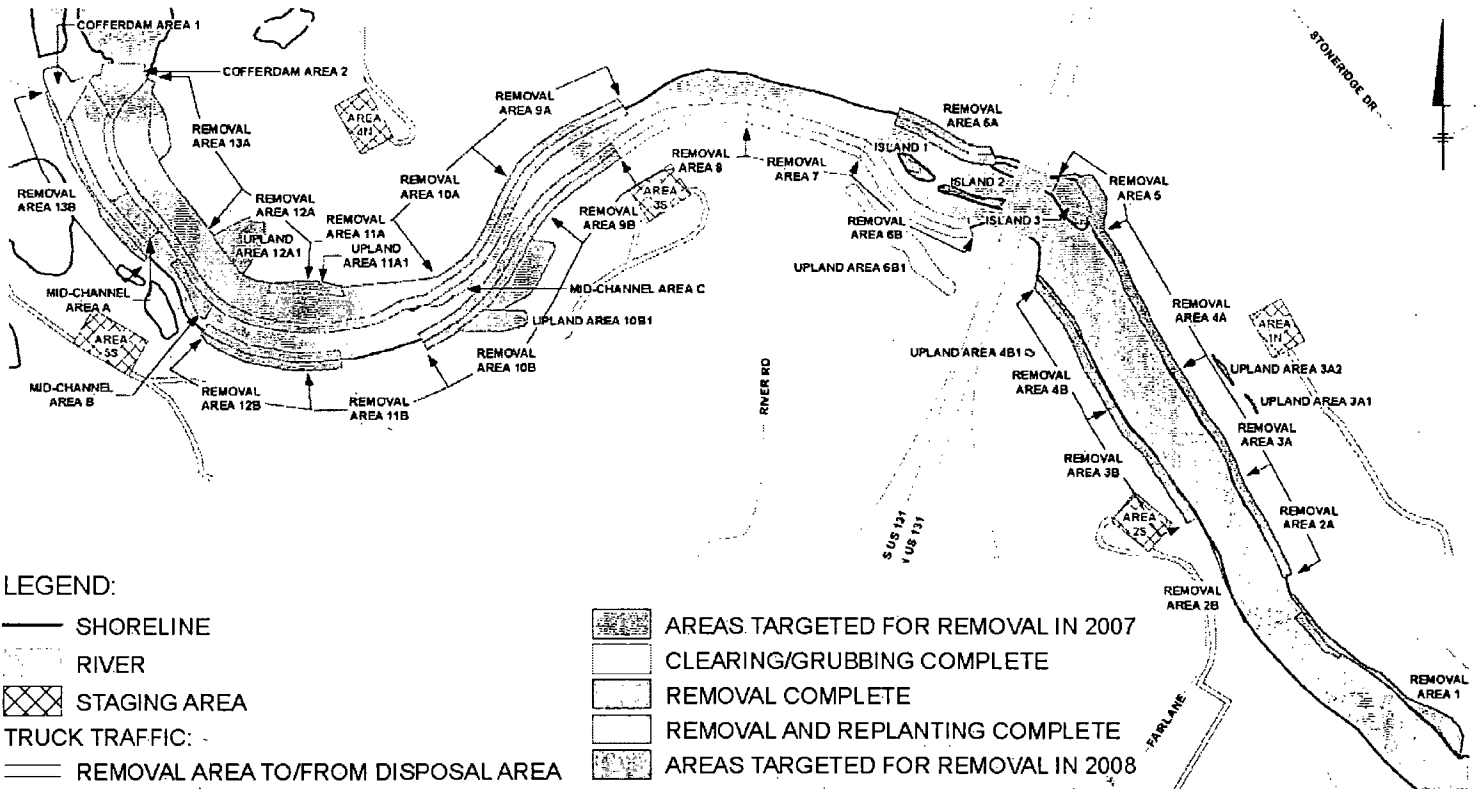


*Setting up the water treatment system
at the Plainwell Dam.*



*Loading clean fill material for staging area
construction into a tractor trailer.*

Targeted Removal Areas—Former Plainwell Impoundment



All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.